

ABSTRACT OF THE DISCLOSURE

The field portion (40) of a workpiece (14) that an electro-optical system (28) can image is deflected by a field-of-view deflector (38) and an array of light sources (42, 44) illuminates the workpiece. As the field of view (40) moves about the workpiece surface, individual sources (42, 44) in the light-source array are so turned on and off that all sources that could be imaged into the field of view by specular reflection are turned off. In this way, proper dark-field illumination is maintained.